

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:101	M,L	LPZ-024	AGGTGACCGTGGATATGGGAGCAGAGCCGTCCGAGTGGATGCTGCAATTCAACT TGAAGTGGCAGAAGCTGTGAAGACTCTCCAAATGGACAAGGCACGAAGACAAAAC CAAGACAAGGATGAGGGCAAGAGTGGCAACGCTGATTGAGATGACTTGAATGAAAT GGAAGTCAAAGCTAAAGCAGCCGAACAACTGCTTGCTGTGCATGGGGCAGCATT CTACAGAATGCTCTGAAAGAAAATTTGTCGAGTCATGAAATGCGGGTTGGTTCAAA TACAAGGGAGGAAGGTGAAGTTAGAAAGAACAGAAAGGGCATCAACGCAGACCCC TCACTGATATCGGCAACACTACGGTCACCTAAGCCAATTCTGCAAATTTCCATCACT GGCGGGGCGCGCTCCAACCTCCTCTAAAAGGCCAATTCCTATATGATTCTTATT ACAATCCCTGGCCCTCCTTTTCCACTTCT
SEQ ID NO:102	M,L	LPZ-025	AGGTGACCGTAGCAGGAGAGAGGAGATCCACAACCATGGTTTTCTGTCAAAGCCCA GAAAACCAGGGCCTACTTCAAGAGGTTTCAGGTCAAATTCAGCGCAGGAGAGAG GGGAAGACCGATTACAGGGCAAGGATCCGCCTGATTAACCAAGATAAGAACAAGTA CAACACACCCCTTGCCAAAAA
SEQ ID NO:103	Middle	LPZ-026	AGGTGACCGTATGAGCAAGGAGGGAACAGTATGACAGGCAGTCAAAGCCCACGAG GGGTGCCCCACTGCCTGCAGCAGCGCACTTACTTGGACTAACAACTTGTATCGTG ATTAAACGATGAACATCGTATTGTGGAGTGGAGCCACTCGTGACCTGATTCTGTC CTAAGTACTTGGTCTGGAATACAATATTGCACGGTCACCT
SEQ ID NO:104	All	LPZ-028	AGGTGACCGTCAAAGTACAATGGAGTCATATCCACTTGAATTGAAACCTCTAATT TAAAAGTTCTCAAAAAATATTTTATTTACAAAACAGGGAAAAATAAAAAATGACTCTAT CAACTATACAATCCTAACATCCATCTCCCGACAGACCTCCAGTATATGTACAAGGC GCTGAAAGAAGGCTGATTATTTTCTATTCCAGCTCGCATAACGTGGTTCTTCTGAG GCTTTGCCTATTCTTTCTTTAAAATCTTTTCGACGAAAGATTGGCATTGACCTTCG GCTAAATCTCAGACTCCAGGGAACCTTGGACTCCCTTTAAAACCTAGAGCTACTTTT TACGAACCCCTGCTTCTCTTGAACACTTAGGGAACCTTACTTACAAAACCTTCGGGA ACTCCACCCCTAGCTTTGCAGGACTCCAGCAGATTCCCCAACTGCCAGAAGGCA TATTTCCATGCACTGTTAGGGGTGAATTCCTACTATCAAACCCCCAAAACATCATA
SEQ ID NO:105	Late	LPZ-029	AGGTGACCGTATGGGAACAAGTATGGGAACAAGAACGTTATTACATAAAAGATGGA GATGCAACACAGCATAAATTGATGCTAAGTTTGTTACAATGATGCATACAGCTTAAC CAAGCTTGGAATGACATCATTAAGTGCGGTACAGCCTCTGCATAGTATTTCTCT GCCTTGGGTGTATCCTTGCTCCTTGACGCTAGTCCAGGTTGTCAAGGGTTGTCAA AAAGCTTGGTGGTGAAGTTTTGAGGGGCTTCTTCTGGTCTTGGGCTTTGAGGA GATAACGGTGTGTTGAAGTCCTTAGCGAAAGTAAGAAACCTTTGGAACCGAAGTCCG TTCTTGACGTTACCGCACGCCTTCCTTATCTATCACTTTTACCTCCAGAAATTGC TTCCCGAATCCCTTGCTCTCCACCCCTGTTCCCC
SEQ ID NO:106	Late	LPZ-030	AGGTGACCGTAGTGTGGCCGATATCAGTGAGGGGTCTGCGTTGATGCCCTTTCTG TTCTTCTACTTCACCCTCCTCTCTTGATTTGAACCAACCCGCATTTGATGACTCGA CAAATTTTCTTTCAGAGCATTCTGTAGTAATGCTGCCCCATGCACAGCAAGCAGTTG TTCGGCTGCTTTAGCTTTGACTTCCATTTTATTCAAGTCATCTGAATCAGCGTTGCC ACTCTTGCCCTCATCCTTGCTTGGTTTTGTCTTCGTGCTTGTCCATTTGGAGAG TCTTCACAGCTTCTGCCACTTCAATTTGAATTGCAGCATCCACTTGCGGAACGGTCT GCTCCCCATATCACGGCACCTT
SEQ ID NO:107	Late	LPZ-031	AGGTGACCGTAGTGTGGCCGATATCAGTGAGGGGTCTGCGTTGATGCCCTTTCTG TTCTTCTACTTCACCCTCCTCTCTTGATTTGAACCAACCCGCATTTGATGACTCGA CAAATTTTCTTTCAGAGCATTCTGTAGTAATGCTGCCCCATGCACAGCAAGCAGTTG TTCGGCTGCTTTAGCTTTGACTTCCATTTTATTCAAGTCATCTGAATCAGTGTGGC ACTCTTGCCCTCATCCTTGCTTGGTTTTGTCTTCGTGCTTGTCCATTTGGAGAGT CTTCACAGCTTCTGCCACTTCAATTTGAATTGCAGCATCCACTTGCGGACGGCTCTG CTCCCATATCCACGGTCACCT

LAW OFFICES

FINNEGAN, HENDERSON,
FARABOW, GARRETT,
& DUNNER, L.L.P.
1300 I STREET, N.W.
WASHINGTON, DC 20005
202-406-4000

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:108	Late	LPZ-032	AGGTGACCGTCGTGAAATAGCGAGAACGGCGTGGAACATCGCAACGGCGGGGAG GCTGGCGGACGTTGCACGTTTTCTGGAAGGTATGCGGCTCTCTCCTCCGCCTCAGT TTCCATGAAGAGGTCCTCCCTGGTTGAATCATACGATTGCGATTGATCGAGTACTT GCTGTATGGCTCGGCATCGGCATTGTGGAGACATTCTTTCCTATTCTCGCAGCAT CTCTCCGATGGTTGCTCTCTCCGAGCTCCATGTTATCCCCGGCACTGAGACAGTC GCTGCCGAATCGCAAGAGCTTCTTTGTTTTTGCAGGCTTCTCAAACATAATGCCT CCGGGCCCTCAACCGAATTCTGCCAAATCCACCCC
SEQ ID NO:109	E,L	LPZ-033	AGGTGACCGTGGACGACAGTGAGTGCAGTCATCATGCTCTCCAGTGGACTTTAAG CAATCTGCATCTTTATGGAAGTGATGTATCTCTTGTTGTTTTTCATGCTCAACCATT GGCAGTCTTCAACAGTGCTGCAACAATGGGCATAACGTCTCCCGAATTAATTGAAA CTATTGTGAATCAACAGATAGGTTTCTGGTCACATCTAGCAATACAAACACAAATAA CTGTGGAACAGAGCCACAAAACCTATGCTTCAGAGCATCTAATTACACATATCTTCTC TAAACCCCTTGCATAAAAAATAAACTGAATCTCGACCTTAGCACTATTGCCACCATC ATCTCAAGCAAACATTCTCTAGAATACCATCTTCACAATGCCTAAAGTTACATAAG CACTGAACCTTAAACATTTCTGTGACGAATGAAGGACCAATTCATCATACTCAGCCT TTGCATCCAATCTGTTGAATGTGCTGAAAAATGCCAATAAACCTCCATCCAACACT GTCTTCTCTCTGAGGTGCACACTGATTTCTGCTGCTGAACCAGTCGGGATTCCCT GCTCAACGTCCTC
SEQ ID NO:110	Middle	LPZ-034	AGGTGCCCGTGGAACTACTGTAAATCTGGAATCCCTTGTCTAGCTGTAAAACTC GACAAGTGATGTTGGTATTAGTAGGGTTAACAGAAGGGTTCTTACCCAGATTTAC CCCTTGGCGGAGATATTTAAAAAAAAGAATTGTCATTATGGTAAATAGGTGTGAC AGGTTATCAATAGAATAACTGACGAGAGTAACTGATAATTATTAAGGTTAAAGTGT TCGTAAAGGAGACTTGGACTCTAGGTTGGATGCCTACACTTAGAGCCGTTCCCGCA CTTGGACGGTCACCT
SEQ ID NO:111	Middle	LPZ-035	AGGTGACCGTCCAGTGCGGGAACGGCTCTAAGTGATGGCATCCACCTAGAGTCCA AGTCTCCTTTACGAACACTTTAACCTTAATAATTATCAGTTTACTCTCGTCAGTTATT CTATTGATAACCTGTCACACCTATTTACCATAATGACAATCTTTTTTTTTTAATATCT CCGCCAAAGGGGTAAATCTGGGTAAGAACCCTTCTGTTAACCTACTAATACCAAC ATGCACTTGTGAGTTTTTACAGCTAGACAAGGGATTCCAGATTTAACAGTAGTTCC ACGGTCACCT
SEQ ID NO:112	Late	LPZ-037	AGGTGACCGTATGGGAACAAGAACGTTATTACATAAAAGATGGAGATGCAACACAG CATAAATTGATGCTAAGTTTGTTACAATGATGCATACAGCTTAACCAAGCTTGAAA TGACATCATTAAGTGCGGTACAGCCTCTGCATAGTATTTCTCTGCCTTGGGTGTA TCCTTGCTCCTTGACGCGTAGTCCAAGTTGTCAAGGGTGTCAAAAACTTGGTGGT GAAGGTTTTGAAGGGCTTCTTCTGGTCTTGGGCTTTGAAGAAATAACGGTGTTGA AGTCTTTACCAAGGTTAATAAACCTTTGGAGCCGAAGTCGTTCTGGACGTACGGC CACCCCTTCTTATCTATCAGCTTTTTACCTCCAAGAATTTGCTTCCCCGAATTCC TTTGCTCTCCAGCCGCTGGTCCCCGAAAAGGGCTGAATATAAACCGTCCTCA ACGGCATTCCATTCTCCTCTGCTGAAACACTTCCCCGCTGCCCCGAGGTGAA GGGCCATCAACTTGATGAACGGCTTTTGCAAGGCTCTGACCCCGCCCCGTCCTACT AACCAATTCTGCAATC
SEQ ID NO:113	Middle	LPZ-038	AGGTGACCGTGGGGAACAACCTACATGACAAATCATTCTTTGTGGTGGATGACTG GACACCAAATAAGTGTGAGAGTCCACTGGCTCTGTACGCGTGGCAGAATCACAAC GGACTTGAGAAAGTTGAAGATGGAATTTGTATCGCTAGATGGCCAGACCATGTTGC TTCAAGGGATGCACTCGTAACCCCCACAGTCTGTCTTACCACTAGATGGAGGCT GACATGAGACATGGAGACATTAATTGGGTTGTGGAGTTAAAGATCTCTCACGTTG GGGAAATCCAAGCCATCATACTTATATATCCGTCCCGTGCATGTAACCTCCTCCA CTCTGTCCCTTAGGCCCGTTGTTGCCT

LAW OFFICES

FINNEGAN, HENDERSON,
 FARABOW, GARRETT,
 & DUNNER, L.L.P.
 1300 I STREET, N.W.
 WASHINGTON, DC 20005
 202-408-4000

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:114	E,L	LPZ-039	AGGTGACCGTATGAGCAAGGAAANNACCGCACTGGCTCCCAGCAGCATGAACANC CAGGTCCCAACCATANACCNCNTGGAGAANGTGATCAAGATATTAGCGACAGTGTN ATTGTACNTCTCNCCAAACACATTATACACGATAAGAGAGCNTAACTACTCTATTC CTTTGACGNAGTGACTACNTGAGTANAAGCGATCATTATCTTGACNACTTTGCATGA AAAACAACAAACCCACNTCCAGTTTCTCTATANTCTGGCCCCACNATGAATAANANT CCTGCCATAATAATGANTCTTTGTCCCCANAGANAAATTNNATAAGACAGGAGCCC ACTGTTGCTTGCATGACTACCANTCACTTTAAGGCGTTGCGAATCCCGGTCCTAAC CATCTCCATACCATNGGCANNCTTTACTTTCCAAGTCCCCAAGACTGTGAACAGGG CGGTTCCNACCCTATAANTTTTAGCCTCTNNTCGAANCNCTTNTTTTCGTTCCCCGG AAANCCGNTTCCACCCCTTTGGAACCTTTTTTTTTTGGCGGGCCCCAGGCNAATTC TNCAATCCCCNCTGGGGGG
SEQ ID NO:115	Late	LPZ-040	AGGTGACCGTGGCGGAGGTTAGGGAAGTTTGACTTCTCATTTTCTCACGCACTCCT CTCCCTCGTAACCTCGGTGCGAGTCGATGGCGGCTTTTTAGTCGAGTGTGCTAACG CACCCTCCGGGCTCAAAATTTCCAGCTACTCGTATTTGATCAATGCTGAAATCGC GTAATCACGTAGATAATAAAGCGTAATGAATCTATAATGAAGCATGTTTCTCTATA GTTTCATGTTGCCGAGAAGGAATAATGAAAATGAAGCCTTATATATTCTGGGGCTC AAGGAGATGTTATCTTTTCTCTTCTTGGTTAGAGACCGTCACCTTCACTTTGAATT GGATAAAGCTTCATTTGTTAAGACCTCCACCCGTAATACATACGGTAGCCTTCT TATGTTAGAAACATACGTCACCTACGCAGAATTGTTAGAATGAAATGA
SEQ ID NO:116	Late	LPZ-041	AGGTGACCGTGGAACAAGATGATTAGTTCTCATGCGGGCCAGGATGATTAGTTCTC CTATGGCAACTGTTGGACAGGATGATTGTTCTCCTGTGGACAGGATGATTAGTTCT TCCTATCGAGGCATCCTACCCAAGCAGTTTGGGACTCATGGGAAGTACCTCTCATC TGATCAATGAGTAGGAAATGGGGTTAGGGACCATTAAAGTAGTATTATCGATGGATG CATTGTTGTATCTATTGACTCCCTATGCTAGAATGAAGTCCATTGATCTGGGATCA ATGAATACTGTTTCTGGGAATCATTGAAAATTTGTATGAACACACTCTGAACACTGA ATTTCCGGTTCATTGGAAGAGATGGTTTTAAACACTCTCCTCATCTCATTCTTCCC CTTCCTTATTCCAACCAATTTGGGCCACCCTGCCAGGAAATTCATTTGATGGTTGG AAAATACCACGGGGCCCTAACCAATTCTGCAA
SEQ ID NO:117	Late	LPZ-042	AGGTGACCGTNATCTCTACCATNATNCCTCCCTCCCGNCTGTATCANCNGGCNTN NANGTCNTTNNCTANNNNAAGNTTAATCCTATCCCNNTTANAGTTGACGGTCTCTAN NCCTAGAAGAGAAACCATAACATCTCCTTGAGCNACACATGGGATATACCGCCANC TTATNTAATACTTTNCNGCACGGTAACNGACCANAANCATTCTTCACTATAGAATT CATGTCGCTTCATTATCTACCTCATTNCNCCANATCCCCCTTATCTCATNNATTTAT CTAGAAANTTCTGAAGNTCCNNAAGGGTTCGTTTTGCACCNCCCCAANTAAAAAAN CCCTNCCGNTTACNTCGAACGAAGGTTTTCAAANGAACAGNAATTCCTTTACAAAAA TCAANAATTTTAACCTCCNNAATCCGGCCCCCNGTNCCTCGAAACCCNATTTCTAC GATTGCATCACCCTGGGGGNCNCTCAANCCNNCTTCTTAAAGGNCCATNCCCN NNNTGATCCTCTNCCATCCAANGGCNCTTTCCACTTTTATTGAAAACCCCNNT CCCCNTTTTACCCTTNNAAAGGCCCTTCCC
SEQ ID NO:118	Late	LPZ-043	AGGTGACCGTGGAACACTACTGTTAAATCTGGAATCCCTTGCTAGCTGTAAAACTC GACAAGTGCATGTTGGTATTAGTAGGGTTAACAGAAGGGTTCTTACCCAGATTTAC CCCTTTGGCGGAGATATTTAAAAAAGAAATTGTCATTATGGTAAATAGGTGTGAC AGGTTATCAATAGAAATACTGACGAGAGTAACTGATAATTATTAAGGTTAAAGTGT TCGTAAAGGANACTTGGACTCTAGGTTGGATGCCTACACTTAGAGCCCGTTCCCGG ACTTGGACGGTCACCT

LAW OFFICES

FINNEGAN, HENDERSON,
FARABOW, GARRETT,
& DUNNER, L.L.P.
1300 I STREET, N.W.
WASHINGTON, DC 20005
202-408-4000